

# Figure 1

## A.

1 MEDLDQSPLV SSSDSPPRPQ PAFKYQFVRE PEDEEEEEEE EEDEDEDELE  
 51 ELEVLERKPA AGLSAAPVPT APAAGAPLMD FGNDFVPPAP RGPLPAAPPV  
 101 APERQPSWDP SPVSSTVPAP SPLSAAAVSP SKLPEDDEPP ARPPPPPPAS  
 151 VSPQAEPVWT PPAPAPAAPP STPAAPKRRG SSGSVVVDLL YWRDIKKTGV  
 201 VFGASLFLLL SLTVFSIVSV TAYIALALLS VTISFRIYKG VIQAIQKSDE  
 251 GHPFRAYLES EVAISEELVQ KYSNSALGHV NCTIKELRRL FLVDDLVDSL  
 301 KFAVLMWVFT YVGALFNGLT LLILALISLF SVPVIYERHQ AQIDHYLGLA  
 351 NKNVKDAMAK IQAKIPGLKR KAE

## B.

	1						50
NSP-B	MAAEDALP	SG	YVSFGHVGGP	PPSPASPSIQ	YSILREEREA	ELDSE.....	
SPERP	..MEDLDQSP	LVS....SSD	SPPRPQPAFK	YQFVREPEDE	EEEEEEEEED		
	51						100
NSP-B	.....	LIIESCDASS	ASEESPKREQ	DSPPMK....	..PSALDAIR		
SPERP	EDEDLEELEV	LERKPAAGLS	AAPVPTAPAA	GAPLMDFGND	FVPPAPRGPL		
	101						150
NSP-B	EETGVRAEER	APSRRLAEP	GSFLDYPSTE	PQPGPELPPG	DGALEPETEM		
SPERP	PAAPPVAPER	QPSWDPSVS	STV...PAPS	PLSAAAVSPS	KLPEDDEPPA		
	151						200
NSP-B	LPRKPEEDSS	SNQSPAATKG	EGPLGPGAPP	PLLFLNKQKA	.....IDLL		
SPERP	RPPPPPPASV	SPQAEPVWTP	PAP.APAAPP	STPAAPKRRG	SSGSVVVDLL		
	201						250
NSP-B	YWRDIKQTGI	VFGSFLLLLF	SLTQFSVVS	VAYLALAALS	ATISFRIYKS		
SPERP	YWRDIKKTGV	VFGASLFLLL	SLTVFSIVSV	TAYIALALLS	VTISFRIYKG		
	251						300
NSP-B	VLOAVOKTDE	GHPFKAYLEL	EITLSQEQIQ	KYTDCLQFYV	NSTLKELRRL		
SPERP	VIQAIQKSDE	GHPFRAYLES	EVAISEELVQ	KYSNSALGHV	NCTIKELRRL		
	301						350
NSP-B	FLVQDLVD <u>SL</u>	KFAVLMWLLT	YVGALFNGLT	LLMAVVSMF	TLPVVYVKHQ		
SPERP	FLVDDLVD <u>SL</u>	KFAVLMWVFT	YVGALFNGLT	LLILALISLF	SVPVIYERHQ		
	351						383
NSP-B	AQIDQYLGLV	RTHINAVVAK	IQAKIPGAKR	HAE			
SPERP	AQIDHYLG <u>LA</u>	NKNVKDAMAK	IQAKIPGLKR	K			

BEST AVAILABLE COPY

C.

```

      FLIP
LfLTlFVMaPvfeeiYdrahqplldalsniislqealdkglePlReFmlk
                                + ++iy+ ++q +++                +d+g   P+R
++
      SPERP      233  -----ISFRIYKGVIQAIQK-----SDEG-
HPFRAYLES 260

```

```

FLIP
htdekh.elalFmrsareerlwPkemkaatlEkddLlvLiPAFvlSELkr
          +      +++++      +sa          +      t++
EL+r
  SPERP          261 EVAISEeLVQKYSNSA-----LGHVNCTIK-----
ELRR 289

```

```

      FLIP
AFeIGFLiYLPFiVIDLVVAsiLMAMGMmMvpPvtISLPFKLlLFV....
                                F+V DLV                                SL F 1 V
+
      SPERP      290 -----LFLVDDLVD-----
SLKFAVLMWVftyv 312

```

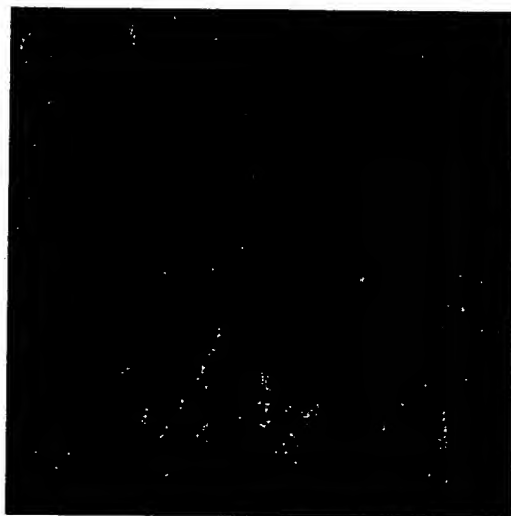
```

FLIP          ..LvDGWtLLlgLv
              + L +G tLL+  L+
SPERP        313 gaLFNGLTLLILALI      327

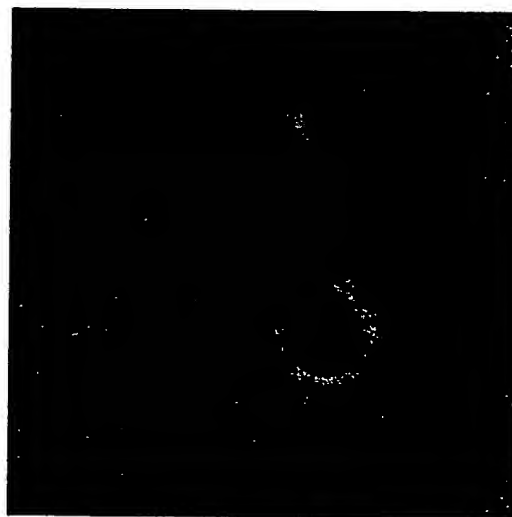
```

**Figure 2**

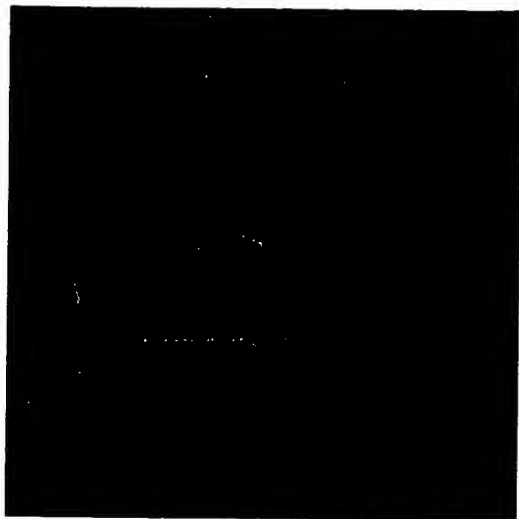
**A**



**C**



**B**



**D**



**Figure 2**

**E.**

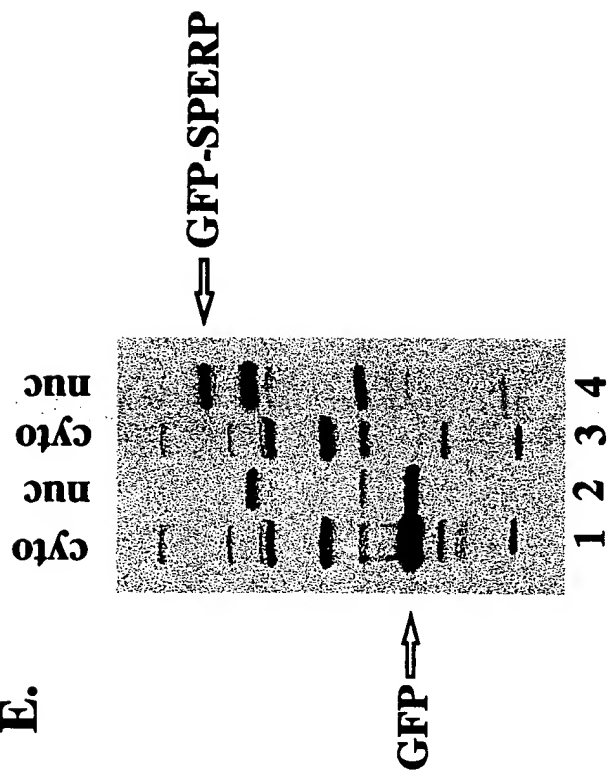
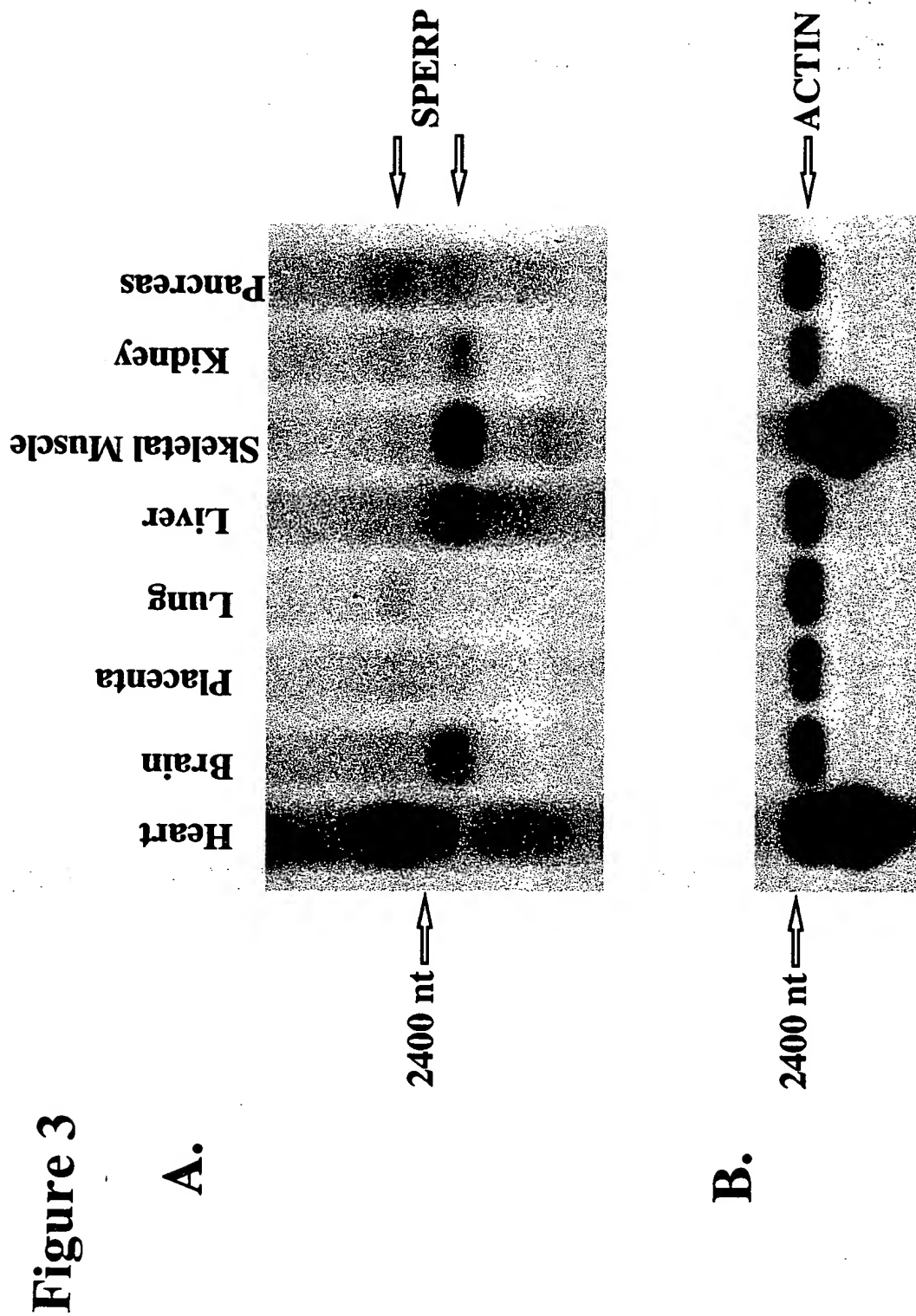


Figure 3

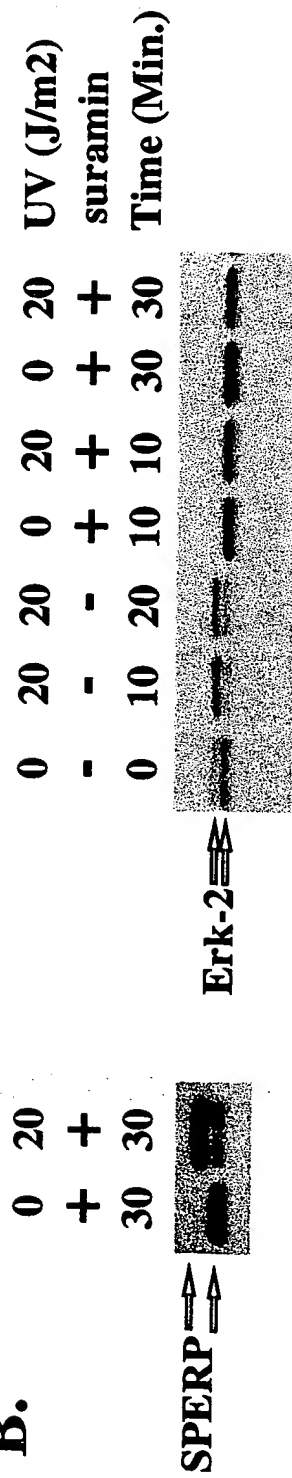


**Figure 4**

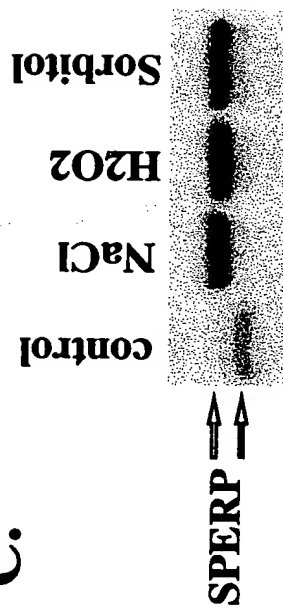
**A.**



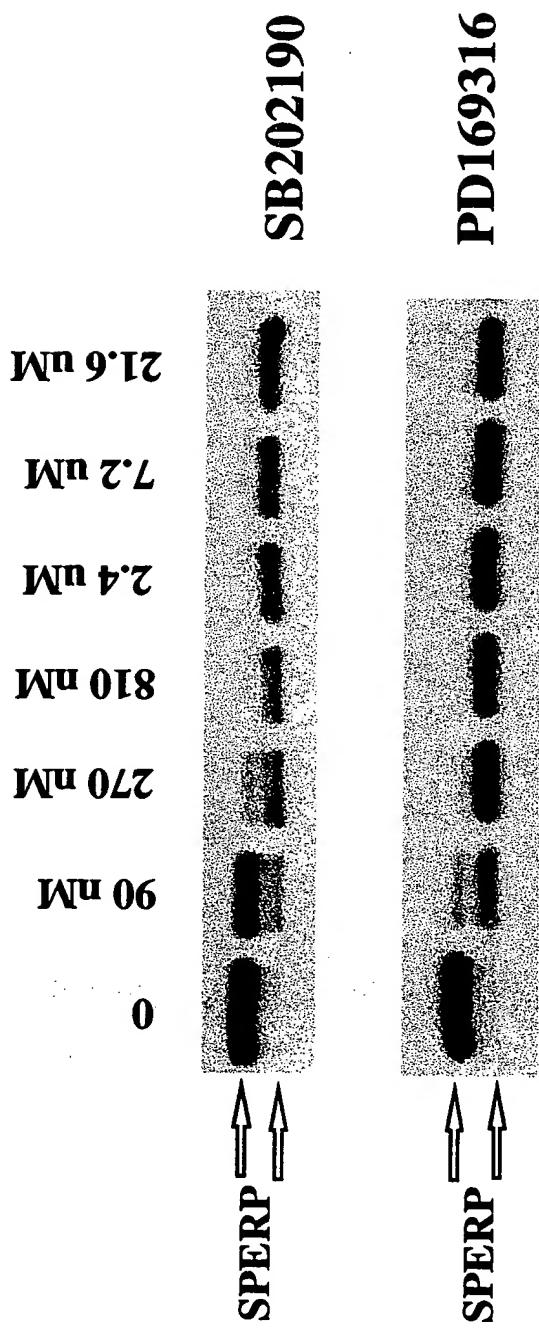
**B.**



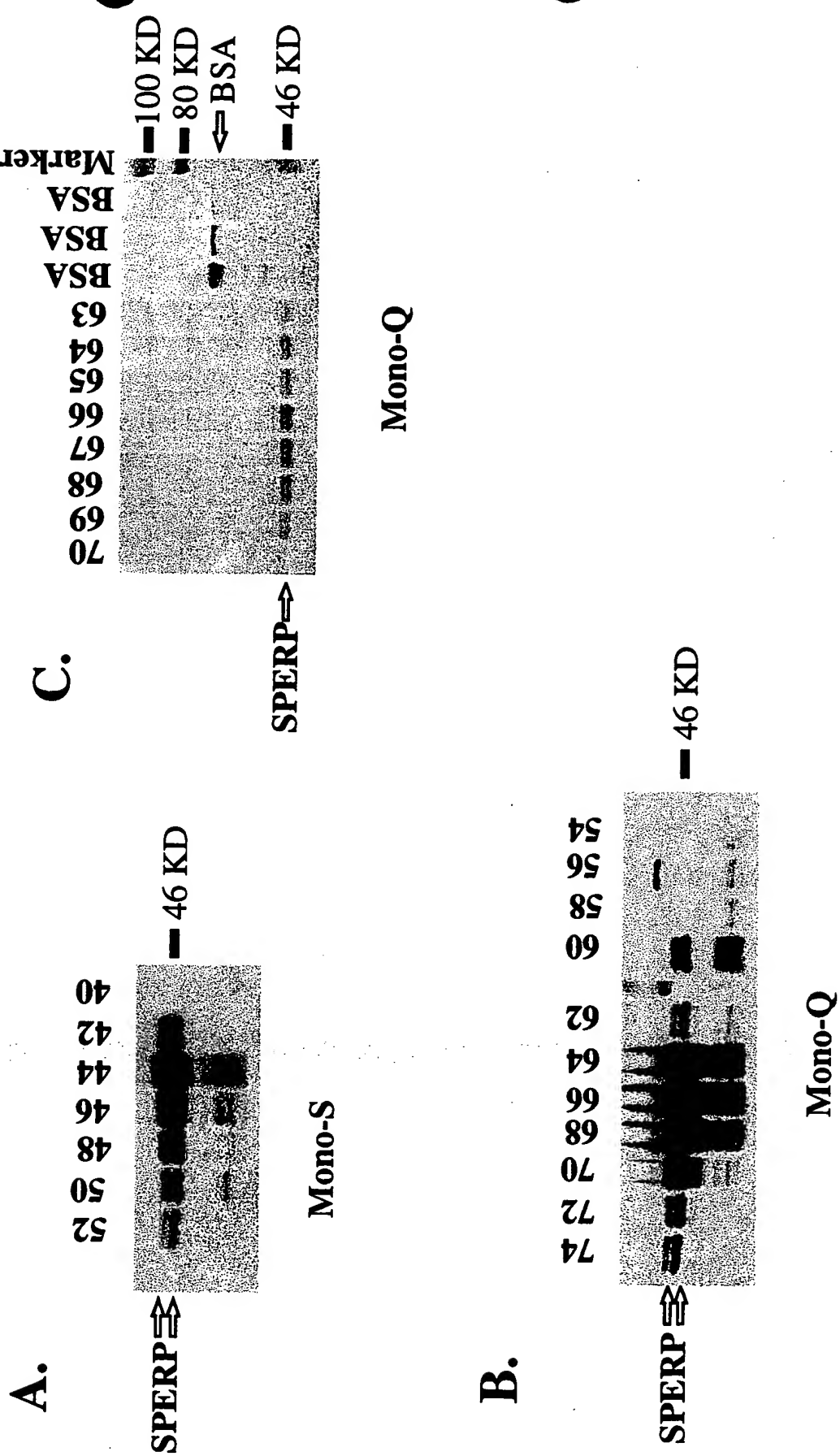
**C.**



**Figure 5**



**Figure 6**

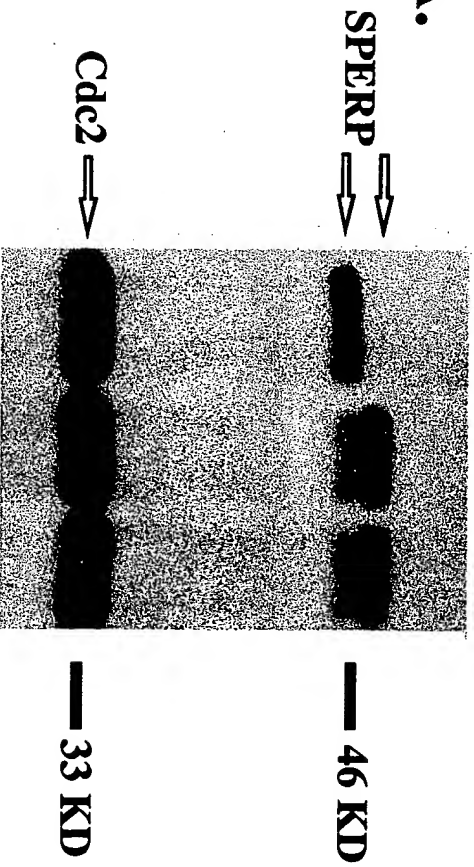




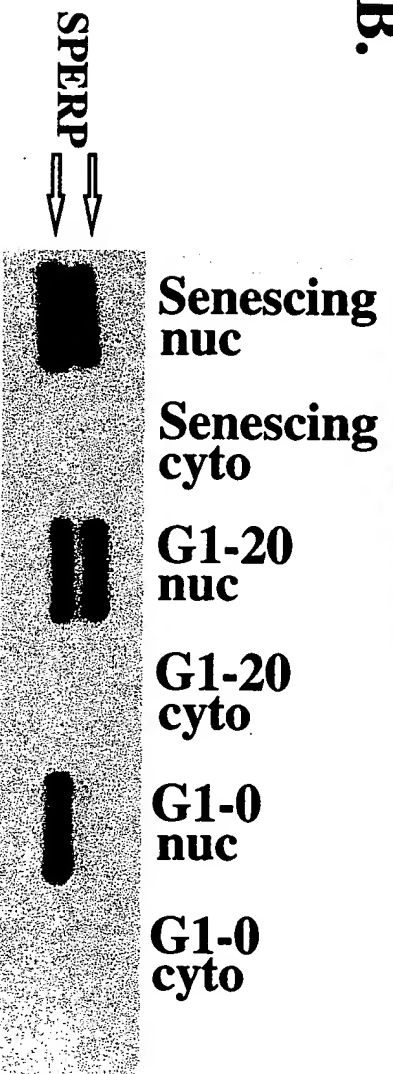
**Figure 7**

0	20	20	UV (J/m <sup>2</sup> )
0	20	50	Time (Min)

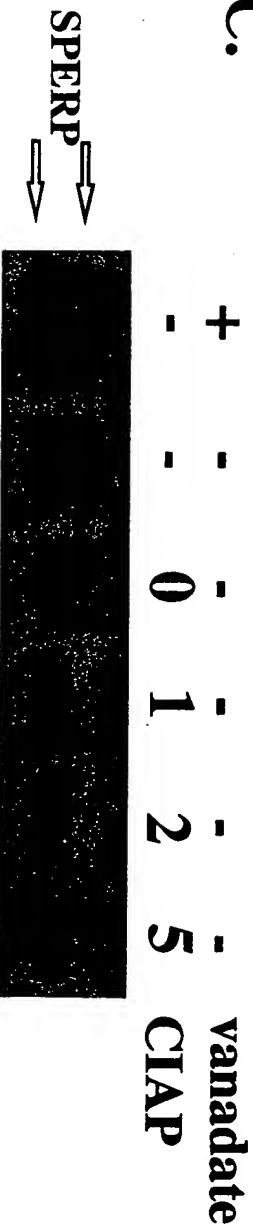
**A.**



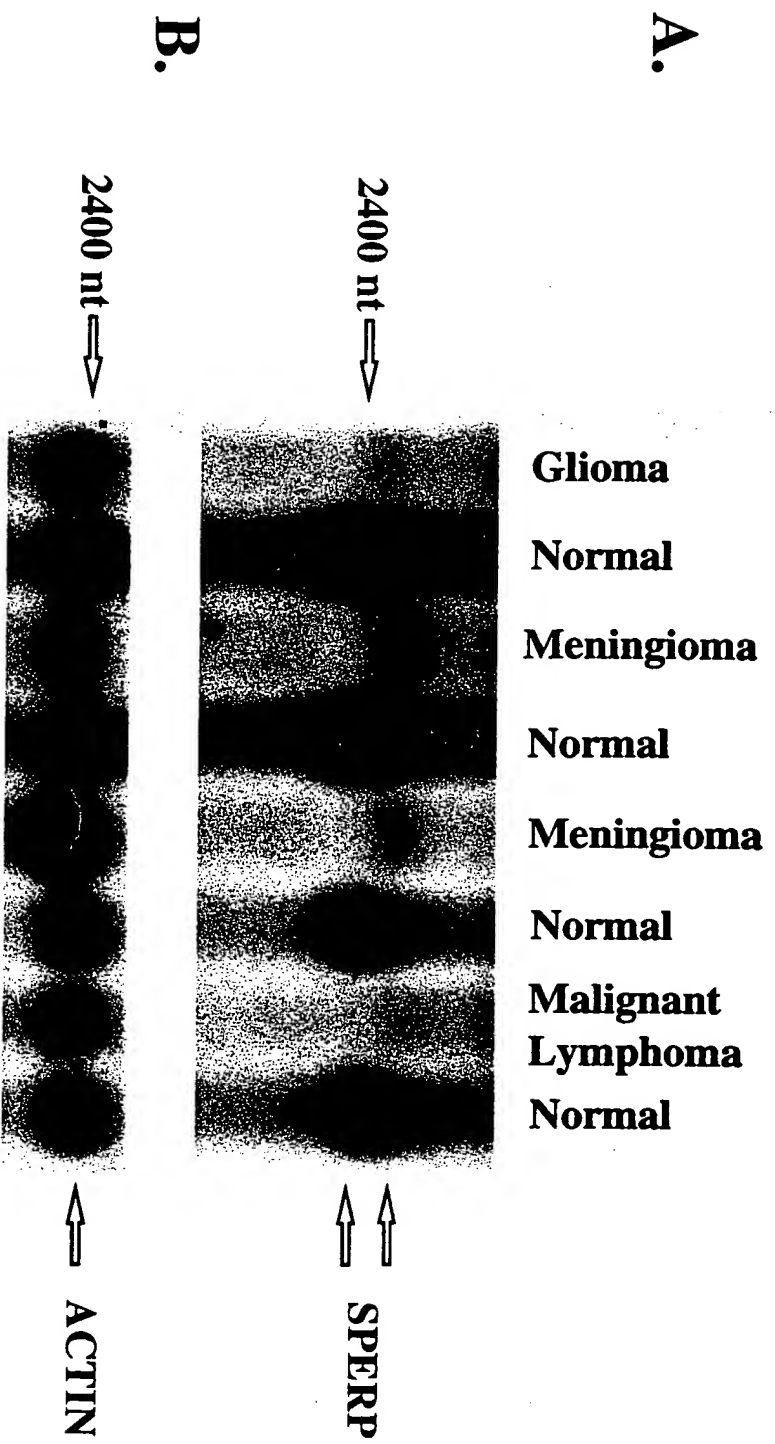
**B.**



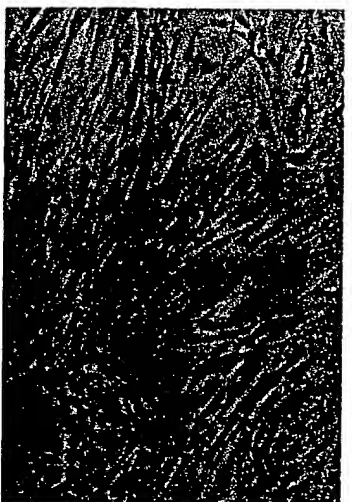
**C.**



**Figure 8.**



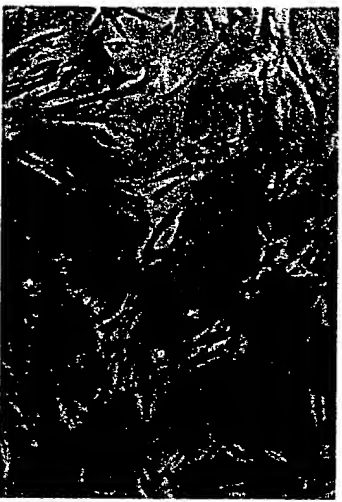
**Figure 9 A**



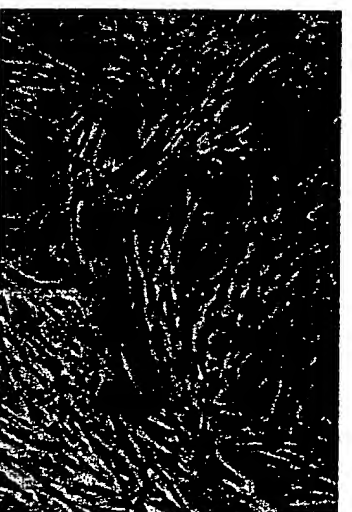
**FTIC**



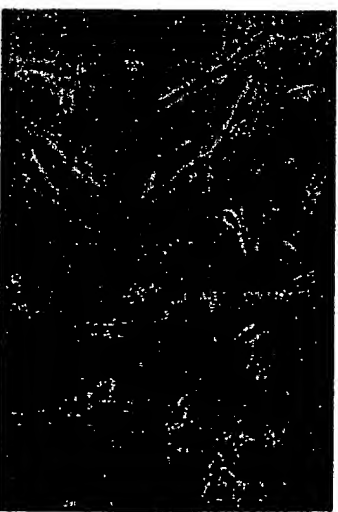
**AS-1**



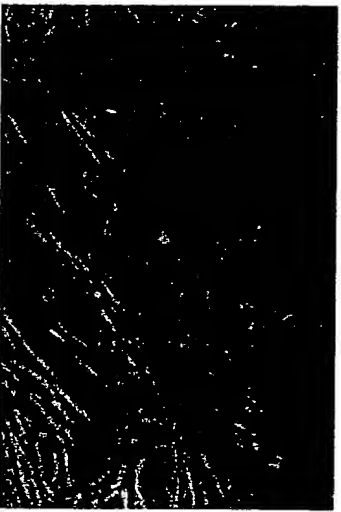
**AS-3**



**Control**

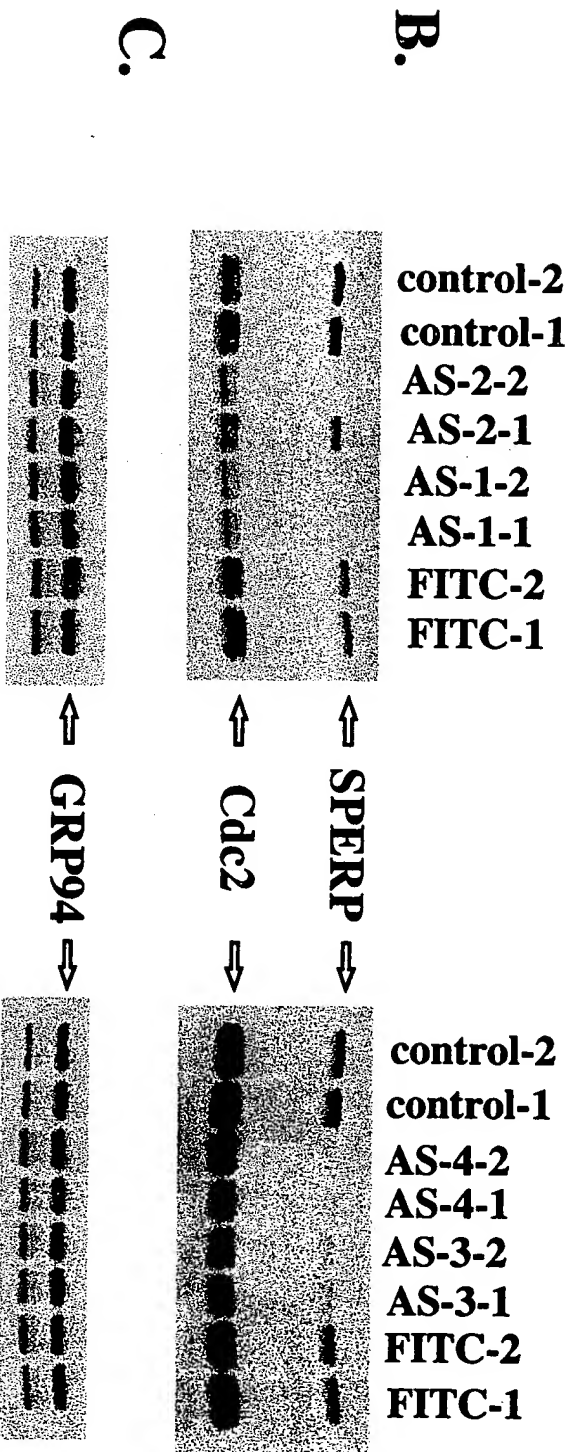


**AS-2**



**AS-4**

**Figure 9**



**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**